

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| L1 | 5 | del-nunzio-mario-jovelino.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/01/04 08:42 |
| L2 | 0 | andrade-paulo-cesar-puelle.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/01/04 08:42 |
| L3 | 0 | andrade-paulo-c\$.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/01/04 08:43 |
| L4 | 10 | puelle-andrade-paulo-c\$.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/01/04 08:54 |
| L5 | 7 | steel-andrew-thomas.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/01/04 08:55 |
| L6 | 50 | effervesce\$ same solid near4 (surfactant or anionic or surface adj1 active) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/01/04 10:06 |
| L7 | 89 | solid near4 (acid or citric or acidic or tartaric or boric or malic or glutaric) same solid near4 (alkali or alkaline or carbonate or bicarbonate or sesquicarbonate or ash\$2) same solid near4 (surfactant or anionic or surface adj1 active) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/01/04 10:29 |
| L8 | 30 | solid near2 (acid or citric or acidic or tartaric or boric or malic or glutaric) same solid near2 (alkali or alkaline or carbonate or bicarbonate or sesquicarbonate or ash\$2) same solid near3 (surfactant or anionic or surface adj1 active) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/01/04 10:32 |
| L9 | 335 | "510"/\$.ccls. and (acid or citric or acidic or tartaric or boric or malic or glutaric) same (alkali or alkaline or carbonate or bicarbonate or sesquicarbonate or ash\$2) same (solid or powder\$2 or size or diameter or particle or particulate) near3 (surfactant or anionic or surface adj1 active) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/01/04 10:36 |

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|-----|-----|--|---|----|----|------------------|
| L10 | 148 | "510"/\$.ccls. and (acid or citric or acidic or tartaric or boric or malic or glutaric) near6 (alkali or alkaline or carbonate or bicarbonate or sesquicarbonate or ash\$2) same (solid or powder\$2 or size or diameter or particle or particulate) near3 (surfactant or anionic or surface adj1 active) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/01/04 10:41 |
| L11 | 1 | "510"/\$.ccls. and (acid or citric or acidic or tartaric or boric or malic or glutaric) near6 (alkali or alkaline or carbonate or bicarbonate or sesquicarbonate or ash\$2) same (solid or powder\$2 or size or diameter or particle or particulate) near3 (surfactant or anionic or surface adj1 active) near6 (mm or micron or micrometer or micrometre or cm) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/01/04 10:45 |
| L12 | 1 | "510"/\$.ccls. and (acid or citric or acidic or tartaric or boric or malic or glutaric) same (alkali or alkaline or carbonate or bicarbonate or sesquicarbonate or ash\$2) same (solid or powder\$2 or size or diameter or particle or particulate) near3 (surfactant or anionic or surface adj1 active) near6 (mm or micron or micrometer or micrometre or cm) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2005/01/04 10:46 |

PAT-NO: JP402140300A

DOCUMENT-IDENTIFIER: JP 02140300 A

TITLE: CLEANING TABLET

PUBN-DATE: May 29, 1990

INVENTOR-INFORMATION:

NAME

OKADA, KEIKO

ITAYA, HARUYO

KAYAMA, MASAMI

ASSIGNEE-INFORMATION:

| NAME | COUNTRY |
|-------------------|---------|
| POLA CHEM IND INC | N/A |

APPL-NO: JP63294076

APPL-DATE: November 21, 1988

INT-CL (IPC): C11D010/02

US-CL-CURRENT: 510/112

ABSTRACT:

PURPOSE: To obtain a cleaning tablet for flush toilet stool showing cleaning power for a long period of time without requiring a hand in cleaning, containing an alkali hydrogencarbonate, solid organic acid, powdery anionic surfactant and inorganic powder in a specific ratio.

CONSTITUTION: The aimed cleaning tablet containing (A) 20-50wt.% alkali hydrogencarbonate (most suitably sodium hydrogencarbonate) solid at normal temperature, (B) 30-60wt.% solid organic acid (most suitably succinic acid) solid at normal temperature, (C) 1-6wt.% powdery anionic surfactant (most suitably sodium alkylsulfonate or sodium α -olefinsulfonate) and (D) 1-10wt.% inorganic powder (most suitably kaolin).

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| | U | 1 | Document ID | Issue Date | Pages | Title |
|---|----------|----------|--------------------|-------------------|--------------|---|
| 1 | | | US 5205958 A | 19930427 | 9 | Zeolite agglomeration process and product |

| | Current OR | Current XRef | Retrieval Classif | Inventor | S | C | P | 2 | 3 |
|----------|-------------------|---|--------------------------|----------------------------|----------|----------|----------|----------|----------|
| 1 | 510/444 | 23/313R; 264/117; 510/508; 510/532 | | Swatling; Donald K. et al. | X | | | | |